

We claim:

1. A method to remove volatile contaminants from a contaminated volume of earth, the method comprising the steps of:

placing a plurality of essentially horizontal conduits in the vicinity of the contaminated soil;

heating the contaminated soil by providing combustion gases to at least one essentially horizontal conduits wherein the combustion gases pass through the conduit and are not injected into the contaminated soil and contaminants are vaporized by the heating; and

removing vaporized contaminants from the contaminated soil by drawing the vaporized contaminants into at least one essentially horizontal conduit through perforations in that conduit.

2. The method of claim 1 wherein the combustion gases are provided to the same conduits into which conduit vaporized contaminants are drawn.

3. The method of claim 1 wherein the combustion gases are provided to at least one conduit into which conduit vaporized contaminants are not drawn.

4. The method of claim 2 wherein the conduits into which combustion gases are provided are not perforated conduits.

5. The method of claim 2 wherein the plurality of essentially horizontal conduits are laid out essentially parallel with direction of flow in adjacent conduits in opposite directions.

6. The method of claim 1 wherein the plurality of essentially horizontal conduits are placed between about one and about 10 feet from the surface.

7. The method of claim 6 wherein the plurality of essentially horizontal conduits are placed in the vicinity of the contamination by placing the conduits in trenches.

~~8. The method of claim 1 further comprising placing a vapor seal on the surface above the essentially horizontal conduits.~~

~~9. The method of claim 1 further comprising the step of placing insulation above the essentially horizontal conduits.~~

~~10. The method of claim 1 further comprising the step of heating the contaminated soil using a surface heater placed above the soil surface.~~